

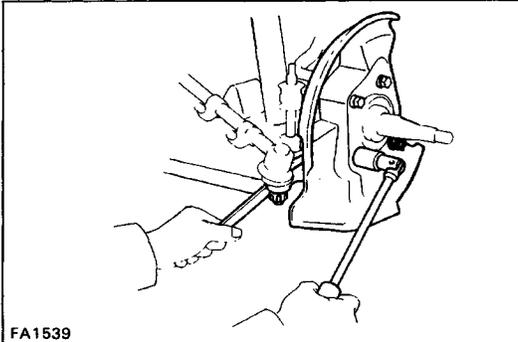
Steering Knuckle

(See page SA-11)

REMOVAL OF STEERING KNUCKLE

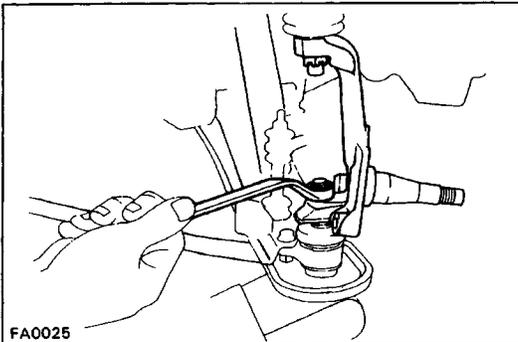
1. REMOVE FRONT AXLE HUB AND BRAKE CALIPER

(See page SA-12)



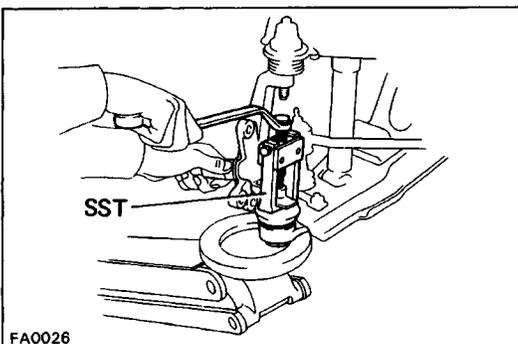
2. REMOVE DUST COVER

- (a) Remove the two bolts.
- (b) Remove the two cotter pins, nuts and bolts and remove the dust cover.
- (c) Remove the knuckle arm from the steering knuckle.



3. REMOVE STEERING KNUCKLE

- (a) Support the lower arm with a jack.
- (b) Remove the two cotter pins and two nuts.



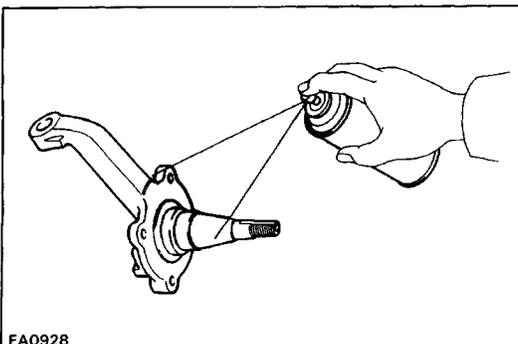
- (c) Using SST, disconnect the steering knuckle from the lower ball joint.

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- (d) Using SST, disconnect the steering knuckle from the upper ball joint.

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- (e) Remove the steering knuckle.

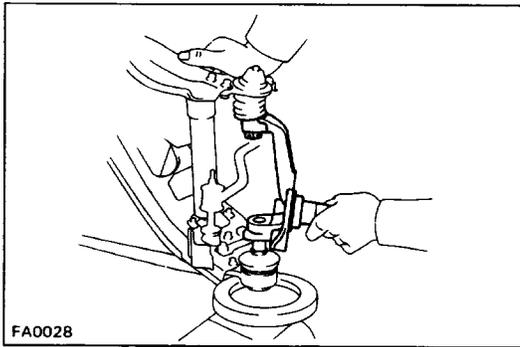


INSPECTION OF STEERING KNUCKLE

INSPECT STEERING KNUCKLE

Using a dye penetrant, check the steering knuckle for cracks.

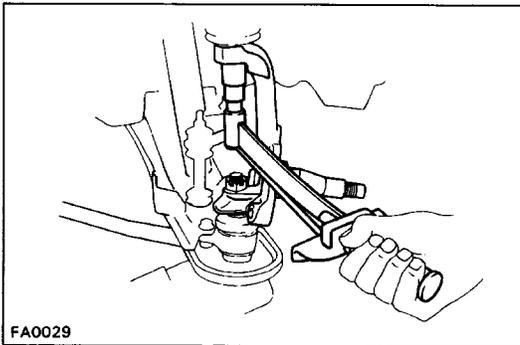
If a crack is found, replace the steering knuckle.



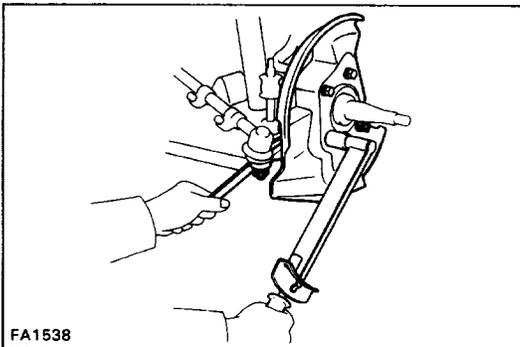
INSTALLATION OF STEERING KNUCKLE

1. INSTALL STEERING KNUCKLE

- (a) Support the lower arm with a jack.
- (b) Install the steering knuckle to the upper ball joint and install the nut.
- (c) Push the upper arm and steering knuckle down and install the steering knuckle to the lower ball joint and install the nut.

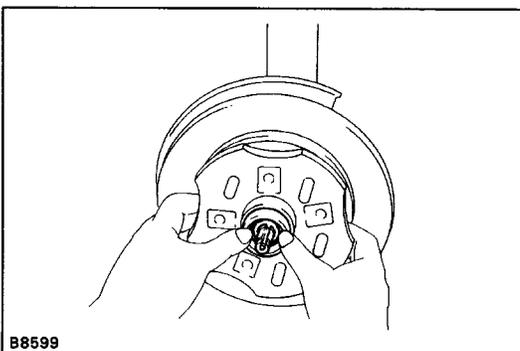


- (d) Torque the upper ball joint nut.
Torque: 108 N·m (1,100 kgf·cm, 80 ft·lbf)
- (e) Torque the lower ball joint nut.
Torque: 142 N·m (1,450 kgf·cm, 105 ft·lbf)
- (f) Install new cotter pins.



2. INSTALL KNUCKLE ARM AND DUST COVER

- (a) Install the knuckle arm and the dust cover.
- (b) Torque the bolts and nuts.
Torque: 108 N·m (1,100 kgf·cm, 80 ft·lbf)
- (c) Secure the nuts with new cotter pins.



3. INSTALL FRONT AXLE HUB AND BRAKE CALIPER

(See page [SA-13](#))

4. CHECK FRONT WHEEL ALIGNMENT

(See page [SA-3](#))